

AGENDA
“THE DIRT ON URBAN SEDIMENT”
April 29th 2005 (9:00 am to 3:45 pm)
Metro DC Area

- I. 8:30 am **Registration**
- II. 9:00 am **Welcome and Introductions-** Ted Graham
- III. 9:15 am **Status of Sediment in the Urban Environment** – Bob Pitt, University of Alabama
Opening presentation will center on reviewing the sources, solution BMPs, and O&M associated with Urban Sediment. This discussion will set the theme for the day.
- IV. 10:00 am **Compare/Contrast Agriculture vs Urban Sediment**– Karen Prestegard, UMD
- V. 10:40 am **Sediment and the Bay Program’s Watershed Model** –Gary Shenk, USEPA-CBPO
- VI. 11:20 am **Panel Forum with the Morning Speakers**
- VII. 11:45 am **LUNCH**
- VIII. 12:25 pm **Urban Sediment BMP Opportunities**
1. **Erosion and Sediment Control in the Urban Setting** – Gary Switzer, VA-DCR. E&SC has been an evolving field with new innovative technologies being introduced every year, yet more needs to be done to limit the amount of sediment leaving construction sites. This presentation will look to examine the technologies and methodologies being employed to improve the removal efficiency, specifically the small particle sizes (i.e., the fines and silts) sediment materials. Discussion will also center on identifying the future target areas for effective sediment reduction in construction applications.
 2. **Stormwater Management, Water Energy and Sediment (O&M)** – Doug Beisch, Williamsburg Environmental Consultants. Mr. Beisch will discuss sediment as it relates to water energy and efforts and research needs to effectively disconnecting the huge impervious pipe through our urban lands. Many development projects are looking at the resources that need to be protected before the first set of plans are even developed. This forward thinking is worthy of highlighting on how SWM has changed from the traditional “pond at the low spot” approach.
 3. **Street Sweeping – Getting Started and Targeting Resources** – John Barnes, Virginia Beach Department of Public Works. Virginia Beach has one of the longer running street sweeping programs in the Bay Watershed. The program has undergone a myriad of challenges that are applicable to newer programs starting up in the Bay Watershed. Virginia Beach’s Lynnhaven watershed will be highlighted in this presentation and has TMDL considerations and identifying research areas for effectively measuring sweeper efficiencies.
 4. **Stream Restoration – For Local Waters and the Bay** –Cameron Wiegand, Montgomery County. Stream Restoration or Repair can cost a lot of money and much of it can be wasted if you don’t design and plan ahead. This presentation will discuss areas that need improving design and long term objectives of a restoration as well as building on the “Lessons Learned” from earlier generation stream restoration projects.
 5. **Monitoring Sediment** – John R. Gray, USGS
Traditional storm-runoff monitoring techniques for sediment can be manually intensive or rely on instruments that not provide data that are adequately representative of sediment fluxes in time and space. The USGS is comparing traditional monitoring techniques to surrogate technologies to ascertain if state-of-the-art instruments and methods are 'up to the task' for continuously monitoring urban sediment fluxes.
- IX. 3:00 pm **Panel of Sediment BMP Speakers**
- X. 3:30 pm **Science and Technology Needs Overview**
- XI. 3:45 **Adjourn**